Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

- 1. (withdrawn) A medical device for removing a foreign object from a body lumen, comprising:
 - an elongated member having a proximal section and a distal section;
 - a support frame attached to the distal section of the elongated member; and
- a filter basket having a plurality of filter struts for capturing the foreign object, said plurality of filter struts including a proximal set of filter struts configured to attach the filter basket to a portion of the support frame, and a distal set of filter struts configured to couple the filter basket to the distal section of the elongated member.
- 2. (withdrawn) The medical device of claim 1, wherein the filter basket and support frame are configured to self-expand from a collapsed position to an expanded position when deployed in the body lumen.
- 3. (withdrawn) The medical device of claim 1, wherein said elongated member is a pusher wire.
- 4. (withdrawn) The medical device of claim 1, wherein said support frame includes a proximal hoop and at least one rail member.
- 5. (withdrawn) The medical device of claim 4, wherein said at least one rail member includes a left rail member and a right rail member.
- 6. (withdrawn) The medical device of claim 5, wherein said left and right rail members are arcuately shaped.

- 7. (withdrawn) The medical device of claim 4, wherein the distal set of filter struts and at least one rail member are attached to a bushing slidably disposed about the elongated member.
- 8. (withdrawn) The medical device of claim 1, wherein the support frame includes a superelastic alloy.
- 9. (withdrawn) The medical device of claim 1, wherein the proximal section of the filter basket has a generally open configuration.
- 10. (withdrawn) The medical device of claim 1, wherein the distal section of the filter basket has a generally closed configuration.
- 11. (withdrawn) The medical device of claim 1, wherein the filter basket includes a superelastic alloy.
- 12. (withdrawn) The medical device of claim 1, wherein said proximal set of struts includes four proximal struts.
- 13. (withdrawn) The medical device of claim 1, wherein said proximal set of struts includes two proximal struts.
- 14. (withdrawn) The medical device of claim 1, wherein the support frame and filter basket are each formed of a flat sheet or tubular member.
- 15. (withdrawn) The medical device of claim 14, wherein the support frame and filter basket are formed by a laser cutting or etching process.
- 16. (withdrawn) The medical device of claim 1, wherein the filter basket is formed from a single workpiece.

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- 17. (withdrawn) The medical device of claim 1, wherein the support frame and filter basket are each formed of wire or ribbon.
- (withdrawn) The medical device of claim 17, wherein the wire or ribbon 18. forming the filter basket has a smaller transverse cross-sectional area than the wire or ribbon forming the support frame.
- (withdrawn) The medical device of claim 1, wherein at least one of said 19. plurality of filter struts has an undulating shape.
- (withdrawn) The medical device of claim 1, further including a polymeric web 20. covering coupled to the filter basket.
- (withdrawn) A medical device for removing a foreign object from a body 21. lumen, comprising:

an elongated member having a proximal section and a distal section;

- a support frame attached to the distal section of the elongated member, said support frame including a proximal hoop and a plurality of rail members; and
- a filter basket operatively coupled to the support frame and having a plurality of filter struts for capturing the foreign object, said plurality of filter struts including a proximal set of filter struts configured to attach a proximal section of the filter basket to said at least one rail member, and a distal set of filter struts configured to attach a distal section of the filter basket to a bushing slidably disposed about the distal section of the elongated member.
- 22. (withdrawn) The medical device of claim 21, wherein the filter basket and support frame are configured to self-expand from a collapsed position to an expanded position when deployed in the body lumen.
- 23. (withdrawn) The medical device of claim 21, wherein said elongated member is a pusher wire.

- 24. (withdrawn) The medical device of claim 21, wherein each of said plurality of rail members is arcuately shaped.
- 25. (withdrawn) The medical device of claim 21, wherein the support frame includes a superelastic alloy.
- 26. (withdrawn) The medical device of claim 21, wherein the proximal section of the filter basket has a generally open configuration.
- 27. (withdrawn) The medical device of claim 21, wherein the distal section of the filter basket has a generally closed configuration.
- 28. (withdrawn) The medical device of claim 21, wherein the filter basket includes a superelastic alloy.
- 29. (withdrawn) The medical device of claim 21, wherein said proximal set of struts includes four proximal struts.
- 30. (withdrawn) The medical device of claim 21, wherein said proximal set of struts includes two proximal struts.
- 31. (withdrawn) The medical device of claim 21, wherein the support frame and filter basket are each formed of a flat sheet or tubular member.
- 32. (withdrawn) The medical device of claim 31, wherein the support frame and filter basket are formed by a laser cutting or etching process.
- 33. (withdrawn) The medical device of claim 21, wherein the filter basket is formed from a single workpiece.

- 34. (withdrawn) The medical device of claim 21, wherein the support frame and filter basket are each formed of wire or ribbon.
- 35. (withdrawn) The medical device of claim 34, wherein the wire or ribbon forming the filter basket has a smaller transverse cross-sectional area than the wire or ribbon forming the support frame.
- 36. (withdrawn) The medical device of claim 21, wherein at least one of said plurality of filter struts has an undulating shape.
- 37. (withdrawn) The medical device of claim 21, further including a polymeric web covering coupled to the filter basket.
- 38. (currently amended) A medical device for removing a foreign object from a body lumen, comprising:

an elongated member having a proximal section and a distal section; and

- a filter basket operatively coupled to the distal section of the elongated member at a plurality of locations, said filter basket including a plurality of interconnected filter struts forming a number of basket cells for capturing the foreign object.
- 39. (original) The medical device of claim 38, wherein the filter basket is configured to self-expand from a collapsed position to an expanded position when deployed in the body lumen.
- 40. (original) The medical device of claim 38, wherein said elongated member is a pusher wire.
- 41. (original) The medical device of claim 38, wherein the filter basket includes a proximal section, a distal section, and an inner lumen.

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- 42. (original) The medical device of claim 41, wherein the proximal section of the filter basket has a generally open configuration.
- 43. (original) The medical device of claim 41, wherein the distal section of the filter basket has a generally closed configuration.
- 44. (withdrawn) The medical device of claim 41, wherein selective filter struts forming the distal section of the filter basket are reduced in thickness.
- 45. (original) The medical device of claim 38, wherein the basket cells are configured to displace in multiple directions.
- 46. (original) The medical device of claim 38, wherein said plurality of interconnected filter struts are formed from a single workpiece.
- 47. (original) The medical device of claim 38, wherein the filter basket includes a superelastic alloy.
- 48. (original) The medical device of claim 38, further including a polymeric web covering coupled to the filter basket.
- 49. (withdrawn) A medical device for removing a foreign object from a body lumen, comprising:

an elongated member having a proximal section and a distal section; and

- a filter basket operatively coupled to the distal section of the elongated member, said filter basket including a plurality of interconnected filter struts forming a proximal section and a distal section, wherein selective filter struts forming the distal section of said filter basket are reduced in dimension.
- 50. (withdrawn) The medical device of claim 49, further including a proximal hoop coupled to the filter basket.

- 51. (withdrawn) The medical device of claim 49, further including a radiopaque marker on at least one of said plurality of interconnected filter struts.
- 52. (withdrawn) A method of forming an embolectomy device having variable wall thickness, comprising the steps of:

providing a workpiece of uniform thickness;

machining the workpiece to form a filter basket having a plurality of filter struts; and selectively reducing the thickness of at least one of said plurality of filter struts to impart a desired characteristic to the embolectomy device.

- 53. (withdrawn) The method of claim 52, wherein said machining step is performed by a laser machining process.
- 54. (withdrawn) The method of claim 52, wherein said machining step is performed by an etching process.
- 55. (withdrawn) The method of claim 52, wherein said reducing step comprises the steps of:

masking the filter struts forming the proximal section of the filter basket; and removing a portion of the unmasked filter struts on the distal section of the filter basket.

- 56. (withdrawn) The method of claim 55, wherein the step of removing a portion of the unmasked filter struts includes microblasting the filter struts.
- 57. (withdrawn) The method of claim 55, wherein the step of removing a portion of the unmasked filter struts includes electropolishing the filter struts.